

Amendment to the Specification

The Paragraph beginning at Page 11, lines 15-24, is to be amended as follows:

Figure 20 is a functional block diagram of printer cradle 4. The printer cradle is built around a controller board 82 that includes one or more custom Small Office Home Office Printer Engine Chips (SoPEC) whose architecture will be described in detail shortly. Controller board 10 is coupled to a USB port 130 for connection to an external computational device such as a personal computer or digital camera containing digital files for printing. Controller board 10 also monitors:

- a paper sensor 192, which detects the presence of print media;

- a printer cartridge chip interface 84, which in use couples to printer cartridge QA chip 57;

- an ink refill cartridge QA chip contact 132, which in use couples to an ink refill cartridge QA chip (visible as item 176 in Figure 37); and

- rotor element angle sensor ~~156~~149, which detects the orientation of rotor element 60.

The Paragraph beginning at Page 13, lines 19-24, is to be amended as follows:

In order to ensure that rotor element 60 is rotated through the correct angle, cradle 4 includes a rotor element sensor unit ~~156~~149 (Figure 20) to detect the actual orientation of the rotor element. Sensor unit ~~156~~149 consists of a light source and a detector unit which detects the presence of reflected light. Rotor element 60 has a reflective surface that is arranged to reflect rays from the light source so that the orientation of the rotor element can be detected by sensor ~~156~~149. In particular, by monitoring sensor unit ~~156~~149, controller board 82 is able to determine which face of rotor element 60 is adjacent printhead 52.

The Paragraph beginning at Page 23, lines 23-29, is to be amended as follows:

A remote computational device, such as a digital camera or personal computer, is connected to USB port 130 in order to provide power and print data signals to cradle 4. In response to the provision of power, the processing circuitry of controller board 82 performs various initialization routines including: verifying the manufacturer codes stored in QA chip 57; checking the state of ink reservoirs 28 - 34 by means of the ink reservoir sensor 35; checking the state of rotor element 60 by means of sensor ~~156~~149; checking by means of paper sensor 192 whether or not paper or other print media has been inserted into the cradle; and tricolor indicator LED 135 to externally indicate, via lightpipe 136, the status of the unit.

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Amdt. Dated: October 10, 2007

Response to Office Action of August 8, 2007